



CLEAN COPY OF AMENDED CLAIM

29. (Twice Amended) Process which comprises:  
coating substrates with a polar coating, wherein the  
coating takes place by means of plasma polymerization;  
including the step of employing a water-free process gas  
which contains at least one substituted hydrocarbon  
compound with up to a maximum of 8 C-atoms and also an  
inorganic gas, to produce a coating which is stable in the  
long term; and wherein the coating comprises 2 to 4 gases  
selected from the group consisting of  $\text{CO}_2$ ,  $\text{CH}_4$ ,  $\text{C}_2\text{H}_2$ , and  
 $\text{NH}_3$  and one of  $\text{O}_2$  and Ar.